Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/13/2019 10:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123922	-1	1.67	123957	1.70
Blue	F	SSC	125000	122973	-2	3.30	123767	3.26
Blue	E	FITC	16694	16516	-2	3.57	384	21.84
Blue	D	PE	32792	32238	-2	2.69	712	16.44
Blue	B	PerCP-Cy5-5	44451	43683	-2	4.45	1199	23.94
Blue	A	PE-Cy7	33645	33539	-1	6.97	610	49.18
Red	C	APC	47008	46250	-2	3.00	1787	13.70
Red	A	APC-Cy7	32298	32031	-1	2.88	800	14.06
Violet	B	V450	8961	8590	-5	4.40	484	14.86
Violet	A	V500	32726	31453	-4	4.07	757	11.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20662	4.70	609	-4	N/A	N/A	Pass
Blue	F	SSC	55766	2.74	581	13	N/A	N/A	Pass
Blue	E	FITC	64	75.85	568	5	0.0164	231	Pass
Blue	D	PE	141	57.74	572	6	0.1270	281	Pass
Blue	B	PerCP-Cy5-5	220	57.10	676	5	0.0066	17	Pass
Blue	A	PE-Cy7	117	126.68	732	6	0.0086	33	Pass
Red	C	APC	409	29.21	613	0	0.0181	119	Pass
Red	A	APC-Cy7	196	32.23	586	1	0.0047	1260	Pass
Violet	B	V450	74	69.64	479	-7	0.0408	2371	Pass
Violet	A	V500	108	41.70	489	-7	0.0193	1353	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.24	-32.07	1.13
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.32	13.60 - 20.40	N/A	N/A	29.27	29.57	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11991

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments